CLAIMS

1. A package comprising:

a sterile bag (3) filled with liquid diluent;

a bottle (9) having a pierceable cap (26) to contain a medicinal or nutritional substance in powder, gel, or liquid form;

a tube (12) extending from the bag (3) and ending with a coupling and perforation device (16) disposed at the cap (26) of the bottle (9);

a flexible sterile sealed first casing (1) housing the bag;

a flexible sterile sealed second casing (2) housing the bottle and the coupling and perforation device, wherein the first and second casings (1, 2) are spatially separated by a distance, and the tube (12) has a middle portion (13) extending between the first casing (1) and the second casing (2);

an adjustable flow diverter (18) disposed at the middle portion (13) of the tube (12), wherein the flow diverter (18) is configured to be adjusted to:

a first position wherein the flow diverter (18) impedes communication between the bottle (9) and the bag (3),

a second position wherein the flow diverter (18) allows the bag (3) to be in communication with a first side opening (19) of the flow diverter, and the first side opening includes an openable and hermetically sealable cap (20) for receiving a syringe (22), and

a third position wherein the flow diverter (18) allows the bottle (9) to be in communication with the first side opening (19) of the flow diverter; and

a pressure compensator including a flexible tube (42) with a hydrophobic filter (43) connected to a second side opening (41) of the flow diverter (18) and terminates in the first casing (1) or the second casing (2).

2. A package according to claim 1, characterized in that said flow diverter (18) includes a multi-way stopcock.

3. A package according to claim 1 or 2, wherein the coupling and perforation device (16) comprises flaps (17) configured to be coupled to the cap (26) of the bottle (9) and a perforation

tip (28) configured to pierce the cap (26) of the bottle (9) after the cap (26) has been coupled to the flaps (17) and pressure has been exerted on an outer wall of the second casing (2) to bring the bottle (9) closer to the bag (3) in an axial direction along the tube.

4. A package according to any one of the preceding claims, wherein the second casing (2) includes a tube connector (11) configured to deliver a mixture of ozone and oxygen into the second casing (2).

5. A package according to any one of the preceding claims, wherein between the middle portion (13) of the tube (12) and the coupling and perforation device (16), the tube (12) includes a final portion (14) housing a frangible closure (15).

6. A package according to any one of the preceding claims, wherein the tube (12) includes an initial portion (51) extending from an end of the first casing (1) and terminating into the bag (3), and the initial portion (51) of the tube (12) houses a frangible closure (50).